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<p>(30) Priority data: 63/331821 28 December 1988 JP (28.12.88)</p> <p>(71) Applicant (for all designated States except US): TAISHO PHARMACEUTICAL CO., LTD. [JP/JP]; 24-1, Takata 3-chome, Toshima-ku, Tokyo 171 (JP).</p> <p>(72) Inventors; and</p> <p>(75) Inventors/Applicants (for US only): YUASA, Hiroshi [JP/JP]; Higashigaoka Apartment Room 305, 12-1, Hatagaya 2-chome, Shibuya-ku, Tokyo 151 (JP). KANAYA, Yoshio [JP/JP]; 15-3, Nogata 5-chome, Nakano-ku, Tokyo 165 (JP). OMATA, Kazuki [JP/JP]; 22-6, Honchou 6-chome, Meguro-ku, Tokyo 152 (JP).</p> <p>(74) Agent: KITAGAWA, Tomizou; Taisho Pharmaceutical Co., Ltd., 24-1, Takata 3-chome, Toshima-ku, Tokyo 171 (JP).</p> <p>(81) Designated States: AT (European patent), BE (European patent), CH (European patent), DE (European patent), ES (European patent), FR (European patent), GB (European patent), IT (European patent), JP, KR, LU (European patent), NL (European patent), SE (European patent), US.</p>		
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(54) Title: APPLICATION SYSTEM FOR DRUG CONTAINING MICROEMULSIONS

(57) Abstract

The invention deals with devices, in particular with bandage strips, for a transdermal delivery of drugs to patients, whereby the drug formulations include highly viscous preparations, topical solutions of a low viscosity and micro-emulsions of a low viscosity containing the drugs. Depending on the consistency of the medium containing the drug, the drug formulation is stored in a reservoir, consisting, e.g., of a punched out cavity or of an absorbent piece of material, which is encased or supported by a carrier element (a formed material piece or a non-woven fleece tape) adhering to the skin by means of a skin-compatible adhesive, whereby specially formed protective films are applied at the filling and delivery side during the storage of the device to prevent a lateral migration, and whereby during its use, the device can be refilled with dosed amounts by the patient without requiring a removal of the device from the skin surface to be treated (Fig. 2).

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